Safety Data Sheet
complying with OSHA Hazard Communication Standard 29 CFR 1910.1200
Product name: ECOS™ Plus with Enzymes, Free and Clear
Formula number: 9624
Revision date: 9/2/2021

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

1.1. Product Identifier
Trade Name: ECOS™ Plus with Enzymes, Free and Clear
Other Identifier: 9624

1.2. Relevant identified uses of the substance or mixture and uses advised against:
Liquid laundry detergent. Use as directed.

1.3. Details of the supplier of the safety data sheet:
Manufacturer/Supplier:
Venus Laboratories dba Earth Friendly Products
11150 Hope Street
Cypress, CA
90630
Tel: (800)-841-3100

1.4. Emergency telephone number:
Chemtrec: (800)-424-9300

2. HAZARDS IDENTIFIATION

2.1. Classification of the substance or mixture
Classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200:
Not classified as hazardous.

2.2. Label Elements
Hazard pictograms: Not applicable.

Signal word: None.

Hazard statements: None.

Precautionary statements:
P102 Keep out of reach of children.

Additional information: No additional relevant information.

Hazards not otherwise classified: None.

3. COMPOSITION/INFORMATION ON INGREDEINTS

3.1. Mixtures

Description of the mixture: Liquid laundry detergent.

Hazardous ingredients per OSHA Hazard Communication Standard 29 CFR 1910.1200:

Chemical name	**CAS No.**	**Classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200**	**%**
Water	7732-18-5	No classification	≥30%
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	61789-40-0	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 5, H303 Aqua. Tox. Acute 2, H401	1-5%
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	68955-19-1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Acute Tox. 4, H302 Aqua. Tox. Acute 2, H401	1-5%
Amides, coco, N-[3-(dimethylamino)propyl], N-oxides	68155-09-9	Acute Tox. 5, H303 Skin Irrit. 2, H315 Eye Dam. 1, H318	1-5%
2-phenoxyethanol	122-99-6	Acute Tox. 4, H302 Eye Irrit. 2, H319	≤1%
Sodium citrate	6132-04-3	No classification	≤1%
Protease	9014-01-1	Eye irrit. cat. 2, H319 Aqua. Tox. Chronic 3, H412 Resp. Sens. 1, H334	≤0.5%
Caprylyl glycol	1117-86-6	Eye Irrit. 2, H319	≤0.5%
Sodium formate	141-53-7	No classification	≤0.5%
Mannanase	37288-54-3	Resp. Sens. 1, H334	≤0.5%
Amylase	9000-90-2	Resp. Sens. 1, H334	≤0.5%
Sodium hydroxide	1310-73-2	Eye Dam. 1, H318 Skin Corr. 1A, H314 Acute Tox. 4, H312 Aqua. Tox. Acute 3, H402 Aqua. Tox. Chronic 3, H412	≤0.5%

Additional information: For the wording of the listed hazard phrases refer to section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information: No special measures required. Take affected persons out into the fresh air. Avoid contact with eyes.

After inhalation: Seek medical treatment in case of complaints.

After skin contact: In case of skin irritation, consult a physician.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. Immediately call a poison center or doctor/physician.

After swallowing: Drink plenty of water and provide fresh air. If irritation or discomfort occurs, seek medical attention. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed: No relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed: No relevant information available.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray.

5.2. Special hazards arising from the substance or mixture: No relevant information available.

5.3. Advice for firefighters
Protective equipment: No special measures required.
Additional information: Collect contaminated firefighting water separately. It must not enter the sewage system.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away.

6.2. For emergency responders: Wear protective equipment. Keep unprotected persons away.

6.3. Environmental precautions: No special measures required.

6.4. Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

6.5. Reference to other sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling:
No special precautions are necessary if used correctly.
Information about fire - and explosion protection: No special measures required.

7.2. Conditions for safe storage, including any incompatibilities:
Storage: Store in cool, dry conditions in well-sealed receptacles.
Requirements to be met by storerooms and receptacles: Do not store in extreme temperatures.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: None.

7.3. Specific end use(s): No further relevant information available.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters
Ingredients with limit values that require monitoring at the workplace in accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200: None.
Additional information: No further relevant information available.

8.2. Exposure controls
Personal protective equipment:
General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.
Respiratory protection: Not required under normal conditions of use.
Protection of hands: Not required under normal conditions of use.
Eye protection: If handling large volumes, wear eye protection. Eye protection not required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

	Value
Appearance	Clear, viscous liquid
Physical State	Viscous liquid
Color	Colorless
Odor	Unscented
Odor Threshold	Not determined

	Value
pH	7.8-8.5
Melting point/freezing point	Not determined
Initial boiling point/boiling range	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not Flammable
Upper/lower flammability or explosive limits	
Upper explosive limits	Not determined
Lower explosive limits	Not determined

Vapor pressure	Not determined
Vapor density	Not determined
Relative density	1.020
Solubility(ies)	Not determined
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	400cp-800cp
Explosive properties	Not determined
Oxidizing properties	Not determined

10. STABILITY AND REACTIVITY

10.1. Reactivity: Stable under normal conditions.

10.2. Chemical stability: Material is stable under normal conditions.
Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications. Do not store at extreme temperatures.

10.3. Possibility of hazardous reactions: No dangerous reactions known.

10.4. Conditions to avoid: No further relevant information available.

10.5. Incompatible materials: No further relevant information available.

10.6. Hazardous decomposition products: No dangerous decomposition products

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:	
ATE (Acute Toxicity Estimates):	
LD50, Oral	12,406 mg/kg

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity: No further relevant information available.

12.2. Persistence and degradability: No further relevant information available.

12.3. Bioaccumulative potential: No further relevant information available.

12.4. Mobility in soil: No further relevant information available.

12.5. Results of PBT and vPvB assessment PBT: No further relevant information available.

vPvB: No further relevant information available.

12.6. Other adverse effects: No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods recommendation:

Dispose according to National Regulations. Contact manufacturer for recycling information.

Uncleaned packaging: Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

14. TRANSPORT INFORMATION

14.1. Transportation regulations:

Land transport, USDOT:

Not classified as a dangerous good under transport regulations.

Sea transport, IMDG:

Not classified as a dangerous good under transport regulations.

Air transport, IATA/ICAO

Not classified as a dangerous good under transport regulations.

14.2. Additional information: No additional relevant information available.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA: Listed

Prop 65: None

Other regulations, limitations and prohibitive regulations: No additional relevant information available.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Relevant phrases:
H302 Harmful if swallowed.
H303 May be harmful if swallowed.
H315 Causes skin irritation.
H401 Toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H314 Causes severe skin burns and eye damage.
H312 Harmful in contact with skin.
H319 Causes serious eye irritation.
H318 Causes serious eye damage.
H402 Harmful to aquatic life.

Training hints:
Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.